

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match.
The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.
Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

C-A OPERATIONS PROCEDURES MANUAL

12.6 Facility Shutdown

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Hand Processed Changes

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Approved: _____ ***Signature on File*** _____
Collider-Accelerator Department Chairman Date

M. Wiplich

12.6 Facility Shutdown

1. **Purpose**

The purpose of this procedure is to define the sequence of activities required to shut down the facility.

2. **Responsibilities**

It is the responsibility of the person or persons executing this procedure to observe all safety rules.

3. **Prerequisites**

The person or persons executing this procedure shall have all formal training required of a TVDG Operator.

4. **Precautions**

None

5. **Procedure**

- 5.1 Insert all Faraday Cups.
- 5.2 Turn charging supply variacs down to zero.
- 5.3 Press Pelletron Drive Motor Stop Buttons, turn Charging Motors Key Switch to OFF, turn Charging Power OFF.
- 5.4 Retract the Corona Points to 3 inches or less.
- 5.5 Close the LE and HE Gate Valves.
- 5.6 Close the Image Gate Valve
- 5.7 Close all Beam Line Wall Valves.
- 5.8 Insert all Beam Plugs.
- 5.9 Isolate HITL vacuum system from MP-7 vacuum system by closing the VAT valve between the MP-7 Analyzer and 11DH01.
- 5.10 Fully Open the rotary aperture (set to 1.0).

- 5.11 Disconnect all loads on Image/Target Room Steerer/Quad panel.
- 5.12 Turn Gridded Lens Supply OFF.
- 5.13 Turn all Steerer Power Supplies OFF.
- 5.14 Turn all Magnet Power Supplies OFF.
- 5.15 Turn all Gaussmeters OFF.
- 5.16 Turn Velocity Selector HV Power Supply OFF.
- 5.17 Turn Stripper Gas Control to 0.
- 5.18 Turn Machine Ion pumps OFF.
- 5.19 Turn Rotating Shafts OFF.
- 5.20 Set Foil Holder #3 to a Blank.
- 5.21 Turn Recirculators to OFF.
- 5.22 Set 2-Stage/3-Stage switch to 2-Stage.
- 5.23 Turn PMT High Voltage Power Supplies OFF.
- 5.24 Turn Energy Detector Preamp and HV Power Supplies OFF.
- 5.25 Turn OFF all unnecessary pumps and other equipment that is not required to be ON in all Target Rooms and in the Accelerator Room.

6. Documentation

None

7. References

None

8. Attachments

None